

Attorney Docket No.: DEX-0176
Inventors: Ali et al.
Serial No.: 09/787,844
Filing Date: August 6, 2001
Page 2

Amendments to the claims are reflected in the listing
of claims which begins on page 3 of this paper.

Remarks begin on page 7.

Attorney Docket No.: DEX-0176
Inventors: Ali et al.
Serial No.: 09/787,844
Filing Date: August 6, 2001
Page 3

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1-7 (canceled)

Claim 8 (currently amended): A method of imaging a gynecologic cancer comprising contacting a cell with ~~an~~ a polyclonal or monoclonal antibody which specifically binds a Pro104-polypeptide and detecting bound polyclonal or monoclonal antibody indicative of the presence of a gynecologic cancer.

Claim 9 (currently amended): The method of claim 8 wherein said polyclonal or monoclonal antibody is labeled with a fluorescent reagent, an enzyme, a paramagnetic ion or a radioisotope.

Claim 10-12 (canceled)

Claim 13: (currently amended) The method of claim 8 wherein Pro104 comprises a 273 amino acid active protease domain from SEQ ID NO: 2.

Attorney Docket No.: DEX-0176
Inventors: Ali et al.
Serial No.: 09/787,844
Filing Date: August 6, 2001
Page 4

Claim 14: (currently amended) A method of delivering a derivatized polyclonal or monoclonal antibody to a gynecologic cancer cell comprising administering to the cell a derivatized antibody which specifically binds a Pro104 polypeptide.

Claim 15: (currently amended) The method of claim 14 wherein said polyclonal or monoclonal antibody is labeled with a fluorescent reagent, an enzyme, a paramagnetic ion or a radioisotope.

Claim 16: (canceled)

Claim 17: (currently amended) The method of claim 14 wherein Pro104 comprises a 273 amino acid active protease domain from SEQ ID NO: 2.

Claim 18: (currently amended) A method of delivering a derivatized polyclonal or monoclonal antibody to a gynecologic tumor comprising administering to the tumor a derivatized polyclonal or monoclonal antibody which specifically binds a Pro104-polypeptide.

Attorney Docket No.: DEX-0176
Inventors: Ali et al.
Serial No.: 09/787,844
Filing Date: August 6, 2001
Page 5

Claim 19: (currently amended) The method of claim 18 wherein said polyclonal or monoclonal antibody is labeled with a fluorescent reagent, an enzyme, a paramagnetic ion or a radioisotope.

Claim 20: (canceled)

Claim 21: (currently amended) The method of claim 18 wherein Pro104 comprises a 273 amino acid active protease domain from SEQ ID NO: 2.

Claim 22: (new) The method of claim 8 wherein Pro104 is a serine protease.

Claim 23: (new) The method of claim 8 wherein Pro104 contains an active protease domain.

Claim 24: (new) The method of claim 23 wherein the active protease domain consists of 273 amino acids.

Claim 25: (new) The method of claim 8 wherein Pro104 comprises a protein encoded by SEQ ID NO: 1.

Attorney Docket No.: DEX-0176
Inventors: Ali et al.
Serial No.: 09/787,844
Filing Date: August 6, 2001
Page 6

Claim 26: (new) The method of claim 25 wherein Pro104 contains an active protease domain.

Claim 27: (new) The method of claim 26 wherein the active protease domain consists of 273 amino acids.

Claim 28: (new) The method of claim 8 wherein the gynecologic cancer is selected from the group consisting of ovarian, cervical, endometrial, uterine and breast cancer.

Claim 29: (new) The method of claim 8 wherein the gynecologic cancer is ovarian cancer.

Claim 30: (new) The method of claim 8 wherein the gynecologic cancer is cancer of the cervix.

Claim 31: (new) The method of claim 8 wherein the gynecologic cancer is cancer of the endometrium.

Claim 32: (new) The method of claim 8 wherein the gynecologic cancer is cancer of the uterus.

Claim 33: (new) The method of claim 8 wherein the gynecologic cancer is breast cancer.